
National Report on the Icelandic Weather Radar Network

Pórður Arason, Hermann Arngrímsson & Baldur Bergsson
arason@vedur.is, hermann@vedur.is, bb@vedur.is



Veðurstofa Íslands - Icelandic Meteorological Office, Bústaðavegur 9, IS-105 Reykjavík, Iceland

Two New Radars in 2022

Installation 2021-2022 of three new state-of-the-art C-band weather radars in Iceland, replacing two old ones. Leonardo Meteor 735CDP10

- Oct 2021 **Keflavík – iskef** renewed
 - Dual-Pol, 480 kW, 5450 MHz
- Sep 2022 **Skagi – isska** new site
 - 66.0558°N, 20.2680°W, 160 m asl.
- ~Oct 2022 **Bjólfur (Beowulf) – isbjo**
new site replacing Fljótsdalsheiði - isegs
 - 65.2658°N, 14.0619°W, 1090 m asl.



Data Retrievals 2022

Keflavík - iskef

- Jan–Aug 2022: 98.6%



Keflavík SW-Iceland Leonardo Meteor 735CDP10 radar (2021). Photo Hermann Arngrímsson Sept. 2021.

Fljótsdalsheiði - isegs

- Jan–Aug 2022: 99.4%



Fljótsdalsheiði E-Iceland EEC C-band radar. Photo Hermann Arngrímsson 8 July 2016.

Mobile - isx1

- Jan–Aug 2022: 65%

Mobile - isx2

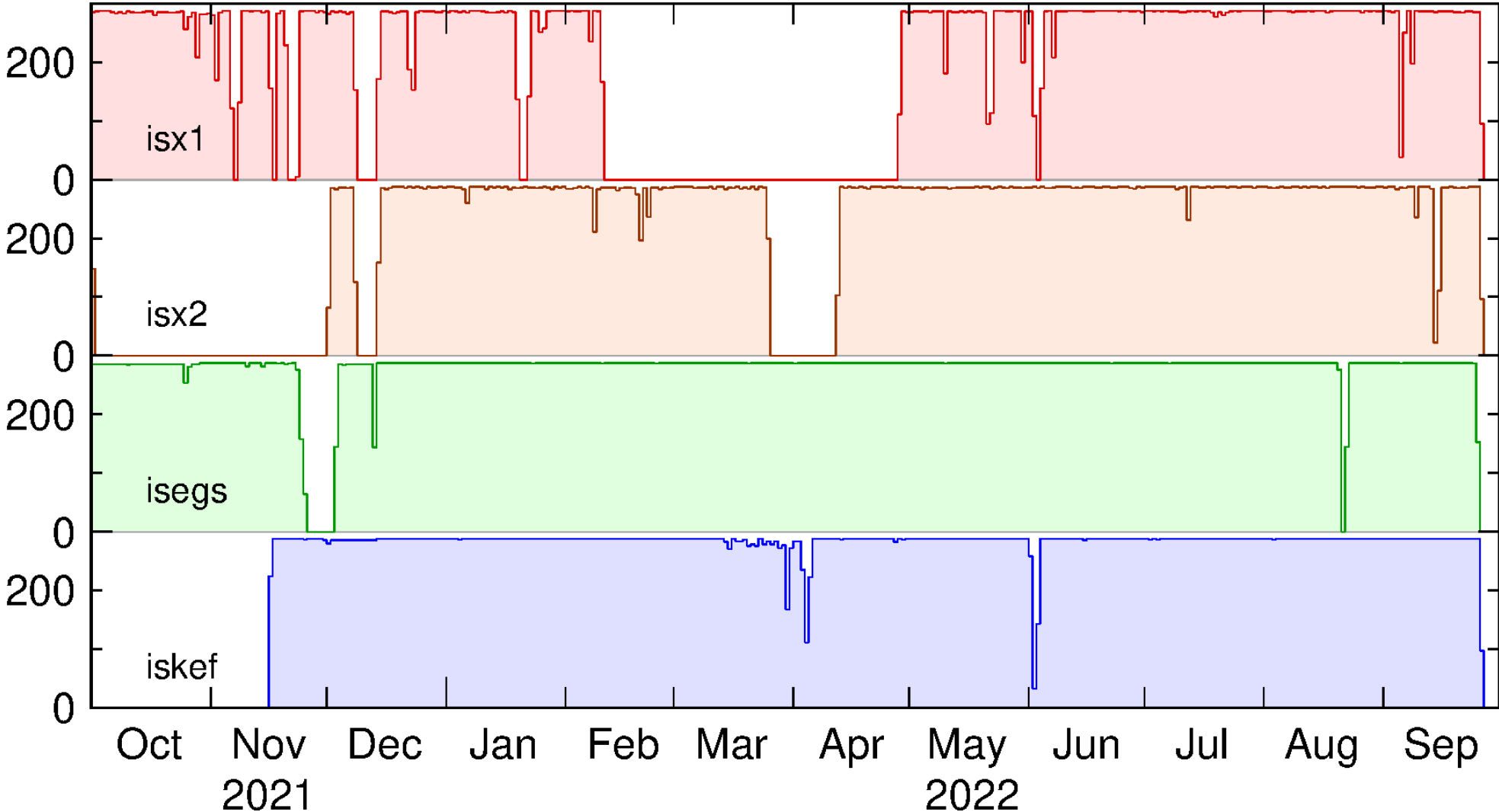
- Jan–Aug 2022: 92%



Specially adapted truck to take mobile radar off road. Photo Jón Gunnar Egilsson 25 Sept. 2019.

Radar Data Retrievals

Number of scans per day, Oct 2021 – Sept 2022



New Radar Site – Skagi, N-Iceland



Construction of the radar tower at Skagi (66°N, 20°W, 160 m asl.). Photo Baldur Bergsson 21 Sept. 2022.

The Plan — 2023-2027

Approved by our Ministry

- **isbol** — Bolafjall,
NW-Iceland ~2024
- **ismel** — Melrakkaslétta,
NE-Iceland ~2026
- **iskla** — Kirkjubæjarklaustur,
S-Iceland ~2027

